

Focus Area 4: Chronic Kidney Disease

Objective 4-1 targets an overall reduction in new cases of end-stage renal disease (ESRD) to 221.0 per million population.

California's age-adjusted case rates for ESRD increased slightly from 352.8 per million population in 2000 to 359.0 per million in 2004 (Figure 4-1, Table 4-1). ESRD case rates for Californians are significantly higher than the HP2010 objective of 221.0 per million population.

Age-adjusted ESRD case rates for males were significantly higher than rates for females, and both were significantly higher than the HP2010 target. The ESRD case rates for males increased slightly from 424.9 per million in 2000 to 435.6 per million in 2004, compared with a slight decline for females from 297.1 per million in 2000 to 296.4 per million in 2004. The HP2010 objective is not being achieved for either males or females as of 2004.

Data by race and ethnicity show that the highest age-adjusted ESRD case rates were for African American/Blacks (895.8 per million in 2004), followed by Hispanics/Latinos (584.7 per million in 2004), and Asians (409.8 per million in 2004). The next highest ESRD case rate was for American Indians/Alaska Natives (significant decline from 559.7 per million in 2000 to 295.3 per million in 2004). The lowest case rates were found for Whites (229.6 per million in 2004). These rates are significantly higher than the HP2010 target of 221.0 per million population, and this objective is not being achieved for any racial or ethnic group as of 2004.

For more information on end-stage renal disease in California, visit the U.S. Renal Data System Web site at:

<http://www.usrds.org/>

For more information on Healthy People 2010 objective 4-1, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/04CKD.htm>

and

<http://www.healthypeople.gov/Document/html/tracking/od04.htm>

Figure 4-1
End-Stage Renal Disease (ESRD) Case Rates
California, 2000-2004

Healthy California 2010 Objective = 221.0

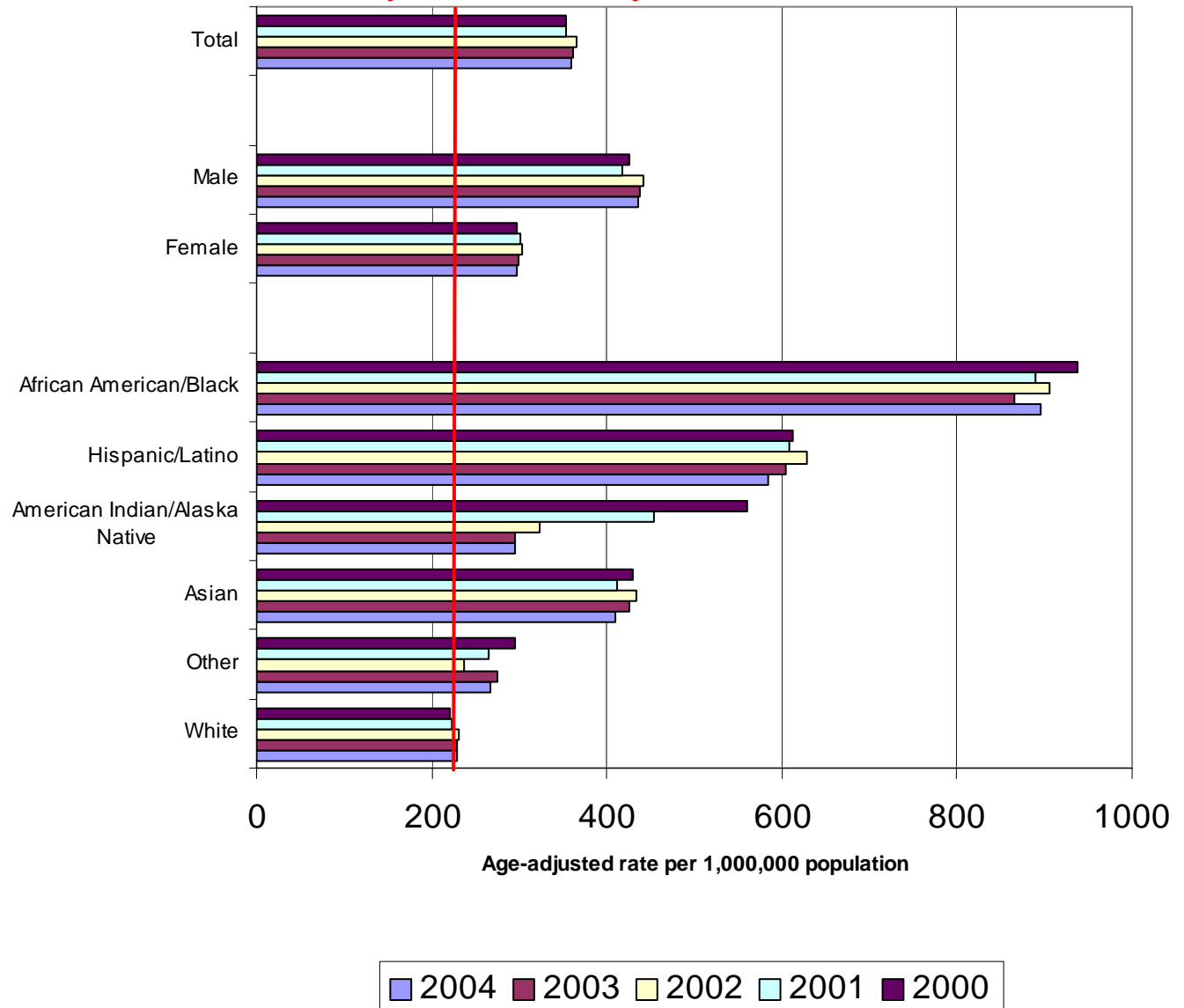


Table 4-1: End-Stage Renal Disease (ESRD) Cases and Case Rates, California 2000-2004

	2000		Lower	Upper	2001		Lower	Upper
	N	Rate ¹	95% C.I.	95% C.I.	N	Rate ¹	95% C.I.	95% C.I.
Healthy People 2010 Target	221.0				221.0			
Statewide Total	10,750	352.8	346.1	359.5	11,099	352.6	346.1	359.2
Race-Ethnicity								
African American/Black	1,673	938.7	893.7	983.7	1,650	889.1	846.2	932.0
American Indian/Alaska Native	92	559.7	445.3	674.1	84	454.6	357.4	551.8
Asian	1,364	429.5	406.7	452.3	1,403	412.5	390.9	434.1
Hispanic/Latino	3,245	611.8	590.7	632.8	3,486	608.4	588.2	628.6
White	4,253	221.4	214.8	228.1	4,354	222.1	215.5	228.7
Other	126	294.4	243.1	345.7	121	265.2	217.9	312.4
Gender								
Female	4,890	297.1	288.8	305.5	5,088	300.5	292.2	308.7
Male	5,860	424.9	414.0	435.8	6,011	418.2	407.6	428.8

	2002		Lower	Upper	2003		Lower	Upper
	N	Rate ¹	95% C.I.	95% C.I.	N	Rate ¹	95% C.I.	95% C.I.
Healthy People 2010 Target	221.0				221.0			
Statewide Total	11,843	365.5	358.9	372.1	12,048	360.6	354.2	367.1
Race-Ethnicity								
African American/Black	1,723	905.7	863.0	948.5	1,731	865.7	824.9	906.5
American Indian/Alaska Native	65	322.6	244.2	401.0	65	294.3	222.8	365.9
Asian	1,543	433.5	411.9	455.1	1,568	424.9	403.9	445.9
Hispanic/Latino	3,777	628.5	608.4	648.5	3,866	603.7	584.7	622.7
White	4,630	231.3	224.7	238.0	4,692	229.7	223.2	236.3
Other	111	236.6	192.7	280.6	134	275.6	228.9	322.4
Gender								
Female	5,314	304.2	296.0	312.4	5,347	298.2	290.2	306.2
Male	6,529	441.3	430.6	452.0	6,701	437.9	427.4	448.4

	2004		Lower	Upper	5-year	HP2010 Objective
	N	Rate ¹	95% C.I.	95% C.I.	Trend	Being Achieved?
Healthy People 2010 Target	221.0					
Statewide Total	12,223	359.0	352.6	365.3	n.s.	No
Race-Ethnicity						
African American/Black	1,822	895.8	854.7	937.0	n.s.	No
American Indian/Alaska Native	74	295.3	228.0	362.6	Sig. -	No
Asian	1,585	409.8	389.7	430.0	n.s.	No
Hispanic/Latino	3,935	584.7	566.5	603.0	n.s.	No
White	4,666	229.6	223.0	236.2	n.s.	No
Other	148	266.8	223.8	309.7	n.s.	No
Gender						
Female	5,405	296.4	288.5	304.3	n.s.	No
Male	6,818	435.6	425.2	445.9	n.s.	No

SOURCES: United States Renal Data System (USRDS); California Department of Finance, Demographic Research Unit, *Population Projections for California and Its Counties 2000-2050*, May 2004.

NOTES: ¹ Rate per 1,000,000 population, age-adjusted by the direct method using the 2000 US population standard; calculations of rates exclude records with unknown age.

Sig. - Statistically significant decrease in age-adjusted death rates from 2000 to 2004.

Sig. + Statistically significant increase in age-adjusted death rates from 2000 to 2004.

n.s. No significant trend as measured by linear regression analysis.